INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/004183

		101/012	003/004103
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ H01M8/04, 8/12			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ H01M8/04, 8/12			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005 Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPI/L			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where ap		Relevant to claim No.
Y	JP 8-505491 A (Hsu, Michael	S.),	1-3,8
A	11 June, 1996 (11.06.96), Claims; Fig. 7 & US 5462817 A1 Claims; Fig. 7		4-7
Y	JP 2003-59521 A (Nippon Stee 28 February, 2003 (28.02.03), Claims; Par. No. [0063]; Fig. (Family: none)	_	1-3,8
Y	JP 2002-252003 A (Nippon Ste 06 September, 2002 (06.09.02) Claims; Par. No. [0047]; Fig. (Family: none)	•	1-3,8
Further documents are listed in the continuation of Box C. See patent family annex.			
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
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"P" document published prior to the international filing date but later than the priority date claimed		being obvious to a person skilled in the art "&" document member of the same patent family	
Date of the actual completion of the international search 19 May, 2005 (19.05.05)		Date of mailing of the international search report 07 June, 2005 (07.06.05)	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	
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